

# DUONIC® Dual-Clutch Transmission

DUONIC® dual-clutch transmission is the first automated dual-clutch type manual transmission incorporated on a commercial truck in the world. "We definitely continue our offensive in advanced propulsion systems like hybrid and electric. But our core focus is optimization of conventional diesel engines and transmissions which are the foundation of such technologies. And here, Fuso is clearly ahead and strongly committed to extending its leadership, which will overall benefit our customers in terms of total cost of ownership."

DUONIC® wet-type clutch that does not need regular clutch replacement, eliminating the need of replacement due to wear of clutch disc and avoids frequent or extra maintenance costs. In addition to this, the advanced transmission earns great reputation because of its great fuel efficiency and easy driving like passenger car. Even the most advanced trucks are driven by people. Thus, DUONIC® helps reduce drivers' workload and stress, so they can fully focus on driving.

The key feature of the DUONIC® is smooth, seamless shifting without shock and torque interruption. Combined with the easy 2-pedal driving, this feature will release drivers from stress and let them fully focus on driving. Shock-less driving also leads to better stability of cargo. The DUONIC® gear change control adopts the fuzzy control Fuso has nurtured over many years. As the DUONIC® is coupled with the wet-type clutch system, the drivers can move the truck very slowly without control of acceleration pedal (creep).



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